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| EXAMINER | |
|---|---|
| ZEWARI, SAYED T | |

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| 2617 | |

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**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

| Office Action Summary | Application No. | Applicant(s) | |
|---|---|---|---|
| | 10/780,203 | TIAINEN ET AL. | |
| | Examiner | Art Unit | |
| | Sayed T. Zewari | 2617 | |

*-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --*

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

1)☒ Responsive to communication(s) filed on *16 April 2007*.

2a)☒ This action is **FINAL**. 2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

4)☒ Claim(s) *1-8,11-21,24-32 and 35-47* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-8, 11-21, 24-32, and 35-47* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

**Application Papers**

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

1) ☐ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

1. The Art Unit location of your application in the USPTO has changed. To aid in correlating any papers for this application, all further correspondence regarding this application should be directed to Art Unit 2617.

***Response to Amendment***

2. Applicant's arguments filed on 4/26/2007 have been fully considered but they are not persuasive.

3. The applicant fail to adequately clarify the argument that

> ***a processing unit configured to execute a network association routine to create a sub-network including one or more mobile terminals or digital devices***

The above argument, as it stands, is very broad and many prior arts including Liebenow read on it. A processing unit is an inherent part of the system disclosed by Liebenow and all other similar electronic systems or they will not function. These processing units can execute any kind of routines for performing any kind of functions including creating a sub-network. The claims are also not sufficiently amended and are broad. Therefore, the examiner maintains the rejection as Liebenow and other recorded prior arts disclose all the limitations of the claims of this application.

***Claim Rejections - 35 USC § 102***

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless --
>
> (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

5. Claims 1, 3, 4, 14, 17, 25-29, 38, 39, and 41 are rejected under 35 U.S.C.102 (e) as being unpatentable over Liebenow (U.S. Pub. No. 2004/0162117 A1).

**Regarding Claim 1**. Liebenow teaches a device for providing a mobile terminal simultaneous battery charging and data transfer, the device comprising: a processing unit configured to execute a network association routine to create a sub-network including one or more mobile terminals or digital devices **[paragraph 0018, lines 1-5 & Fig. 1 and 3, Items 130, (power line networking interface must inherently incorporate a processing unit to receive and send networking data)]**; a power line communication modem in communication with the processing unit and a shared power line network **[paragraph 0018, lines 1-5 & Fig. 1, Items 150 & paragraph 0017, lines 5-6 & Fig. 1, Item 105 (AC input connector to power line**; a power converter in communication with the shared power line network **[paragraph 0017, lines 5-12 & Fig. 1, Item 140]**; and a charging unit and interface in communication with the power

converter **[paragraph 0017, lines 1-4 & paragraph 0018, lines 1-16 (inherently, the charger will incorporate a charging unit) & Fig. 1, Item 170 (isolation and coupling receive and send data using the connector as an interface and the mobile phone is also charged through the connector interface)]**; and a first data transfer interface in communication with the processing unit for transferring data to and from the mobile terminal, the first data transfer interface being paired with the mobile terminal by storing a pairing key that is common to both the first data transfer interface and the mobile terminal to provide authentication of the mobile terminal **[paragraph 0018, lines 1-5 & Fig. 1, Item 152 (power line networking interface receives and sends data to the cellular phone using isolation and coupling interface)]**, wherein the charging interface provides the mobile terminal with battery charging and the first data transfer interface provides the mobile terminal with simultaneous data transfer in response to successful authentication of the mobile terminal **[paragraph 0017, lines 1-4 & paragraph 0018, lines 1-16 & Fig. 1, Items 170 (isolation and coupling receive and send data using the connector as an interface and the mobile phone is also charged through the connector interface)]**.

**Regarding Claim 29**. Liebenow teaches a method for power line communication of data between a digital device and a mobile terminal while simultaneously charging a battery of the mobile terminal, the method comprising the steps of: connecting a battery charging and data communication device to a power line **[paragraph 0017, lines 1-7 & Fig. 1, Item 105 (AC input connector is connected to power lines)]**; connecting the mobile terminal to a charging interface and a data communication interface of the

battery charging and data communication device **[paragraph 0017, lines 1-4 & paragraph 0018, lines 1-16 & Fig. 1, Items 170 (isolation and coupling receive and send data using the connector as an interface and the mobile phone is also charged through the connector interface)]**; providing a pairing key for storage at both the mobile terminal and the digital device to provide authentication of the mobile terminal **[paragraph 0018, lines 1-5 & Fig. 1, Item 152 (power line networking interface receives and sends data to the cellular phone using isolation and coupling interface)]**; synchronizing the data communicated between the mobile terminal and the digital device including creating sub-network association for the mobile terminal and the battery charging and data communication device **[paragraph 0023, lines 9-320 & paragraph 0018, lines 1-5 paragraph 0023 & Fig. 3, Item310 (personal computer)]**; and providing power to the battery of the mobile terminal; and simultaneously, communicating data between the mobile terminal and the digital device simultaneously with providing the power in response to successful authentication of the mobile terminal, whereby the data is communicated via the power line and the digital device is in communication with the power line **[paragraph 0017, lines 1-4 & paragraph 0018, lines 1-16 & Fig. 1, Items 170 (isolation and coupling receive and send data using the connector as an interface and the mobile phone is also charged through the connector interface) & paragraph 0023 & Fig. 3]**.

**Regarding Claim 17**. Liebenow teaches a system for providing a mobile terminal simultaneous battery charging and data transfer, the system comprising: a mobile terminal **[Fig. 1, Item 180 (cellular phone)]**; a first datacharger device that provides for

simultaneous battery charging and data transfer to the mobile terminal, which includes a processing unit configured to execute a network association routine to create a sub-network including one or more mobile terminals or digital devices **[paragraph 0017, lines 1-5 & paragraph 0018, lines 1-5 & Fig. 1, Items 130, (power line networking interface must inherently incorporate a processing unit to receive and send networking data)]**, a power line communication modem in communication with the processing unit **[paragraph 0018, lines 1-5 & Fig. 1, Items 150]** a first data transfer interface in communication with the processing unit **[paragraph 0018, lines 1-5 & Fig. 1, Item 152 (power line networking interface receives and sends data to the cellular phone using isolation and coupling interface)]** and a charging unit in communication with the power converter **[paragraph 0017, lines 1-4 & paragraph 0018, lines 1-16 (inherently, the charger will incorporate a charging unit)~& Fig. 1, Item 140]**; the first data transfer interface being paired with the mobile terminal by a pairing key that is common to both the first data transfer interface and the mobile terminal to provide authentication of the mobile terminal **[paragraph 0018, lines 1-5 & Fig. 1, Item 152 (power line networking interface receives and sends data to the cellular phone using isolation and coupling interface)]**; a shared power line network in communication with the first datacharger via the power line communication modem and the power converter **[paragraph 0017, lines 7 & Fig. 1, Item 105 (AC input connector connects to the power lines) & Fig. 1, Items 140, 150]**; and a first digital device in communication with the shared power line network that transfers data to the mobile terminal through the shared power line and the first data transfer interface of the

first datacharger device **[paragraph 0023 & Fig. 3]**, wherein the charging unit provides the mobile terminal with battery charging and the first data transfer interface provides the mobile terminal with simultaneous data transfer in response to successful authentication of the mobile terminal **[paragraph 0017, lines 1-4 & paragraph 0018, lines 1-16 & Fig. 1, Items 170 (isolation and coupling receive and send data using the connector as an interface and the mobile phone is also charged through the connector interface)]**.

**Regarding Claim 3**. Liebenow teaches wherein the first data transfer interface further comprises a data Input/Output (1/O) interface **[paragraph 0018, lines 1-5 & Fig. 1, Item 152 (isolation and coupling interface receives and sends data)]**.

**Regarding Claim 4.** Liebenow teaches wherein first data transfer interface further comprises a Universal Serial Bus interface **[paragraph 0018, lines 9-10 & paragraph 0022, lines 1-10]**.

**Regarding Claim 14**. Liebenow teaches further comprising a battery charging routine executed by the processing unit that provides conditional battery charging based on current battery level **[paragraph 0017, lines 1-13 (device is a phone charger)]**.

**Regarding Claim 25**. Liebenow teaches further comprising a data transfer device that is in communication with the digital device and includes a processing unit and a power line communication modem in communication with the processing unit, a first data transfer interface in communication with the processing unit and the shared power line network **[paragraph 0023, lines 1-13 and 16-24 & Fig. 3, Item 340 & paragraph 0018, lines 1-5 & Fig. 1, Items 130, (power line networking interface**

**must inherently incorporate a processing unit to receive and send networking data) & paragraph 0018, lines 1-5 & Fig. 1, Items 150, 105 (AC input connector to power line)]**.

**Regarding Claim 26**. Liebenow teaches wherein the data transfer device is further defined as a second datacharger device that further comprises a power converter in communication with the shared power line network and a charging unit in communication with the power converter **[paragraph 0023, lines 1-13 and 16-24 & Fig. 3, Item 340 & paragraph 0017, lines 5-12 & Fig. 1, Item 140 & paragraph 0017, lines 1-4 & paragraph 0018, lines 1-16 (inherently, the phone charger will incorporate a charging unit)]**.

**Regarding Claim 27**. Liebenow teaches wherein the data transfer device further comprises a Universal Serial Bus (USB) connection for providing USB connection to the digital device **[paragraph 0023, lines 1-13 and 16-20 & paragraph 0022, lines 7-10].**

**Regarding Claim 28**. Liebenow teaches further comprising a Universal Serial Bus (USB) adapter device in communication with the shared power line network and the digital device **[paragraph 0018, lines 9-10 & paragraph 0021, lines 10-11 & paragraph 0022, lines 1-10]**.

**Regarding Claim 38**. Liebenow teaches wherein the step of communicating data between the mobile terminal and a digital device further comprises communicating, from the mobile terminal to a digital device, multimedia files created at the mobile terminal **[paragraph 0023, lines 20-29].**

**Regarding Claim 39**. Liebenow teaches wherein the step of communicating data between the mobile terminal and a digital device further comprises communicating, from the digital device to the mobile terminal, electronic mail that is received the digital device **[paragraph 0023, lines 20-29 (inherently, email received at the digital device may be communicated to the mobile terminal)]**.

**Regarding Claim 41**. Liebenow teaches wherein the step of communicating data between the mobile terminal and a digital device further comprises communicating, from the digital device to the mobile terminal, calendar-type information related to a digital planner application **[paragraph 0023, lines 20-29].**

***Claim Rejections - 35 USC § 103***

6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

7. Claims 2, 5-8, 11-13, 15, 18-21, 24, 30, 35-37, and 45-47 are rejected under 35 U S.C 103(a) as being unpatentable over Liebenow (US Pub No 2004/0162117 A1) in view of Tomlinson Jr. (U.S. Pub No 2003/0100288 A1)

**Regarding Claim 2**. Liebenow teaches everything as applied above in Claim 1 including the processing unit. However, Liebenow fails to specifically teach further

comprising a memory unit in communication with the processing unit. The examiner considers that the claimed limitation was well known in the art as taught by Tomlinson Jr. In an analogous art, Tomlinson Jr. discloses a power line communication radio frequency bridge further comprising a memory unit in communication with the processing unit **[paragraph 0010, lines 3-6 & Fig. 2, Item 114]**. Therefore, it would have been obvious to one of ordinary skill in the art, at the time the invention was made to modify the phone charger of Liebenow to incorporate the memory unit as taught by Tomlinson Jr. in order to have a buffer or backup memory for the data stored on the mobile device.

**Regarding Claim 5**. Liebenow teaches everything as applied above in Claim 1. However, Liebenow fails to specifically teach wherein the first data transfer interface further comprises a wireless data transfer interface. The examiner considers that the claimed limitation was well known in the art as taught by Tomlinson Jr. In an analogous art, Tomlinson Jr. discloses a power line communication radio frequency bridge wherein the first data transfer interface further comprises a wireless data transfer interface **[paragraph 0010, lines 11-17 & paragraph 0013, lines 1-17].** Therefore, it would have been obvious to one of ordinary skill in the art, at the time the invention was made to modify the phone charger of Liebenow to incorporate the wireless data transfer interface as taught by Tomlinson Jr. in order to have wired as well as wireless data transfer interfaces.

**Regarding Claim 6**. The combination of Liebenow and Tomlinson Jr. further teaches further comprising a short-range communication transceiver **[Tomlinson Jr.: paragraph 0013, lines 1-17 (Bluetooth)]**.

**Regarding Claim 7**. The combination of Liebenow and Tomlinson Jr. further teaches wherein the short-range communication transceiver is chosen form the group consisting of an RF transceiver, an Infrared (IR) transceiver, a Wireless Local Area Network (WLAN) transceiver, and an Ultra Wide Band (UWB) transceiver **[Tomlinson Jr.: paragraph 0013, lines 1-17]**.

**Regarding Claim 8**. Liebenow teaches everything as applied above in Claim 1. However, Liebenow fails to specifically teach further comprising a second data transfer interface in communication with the processing unit that transfers data to and from a data source device. The examiner considers that the claimed limitation was well known in the art as taught by Tomlinson Jr. In an analogous art, Tomlinson Jr. discloses a power line communication radio frequency bridge further comprising a second data transfer interface in communication with the processing unit that transfers data to and from a data source device **[paragraph 0009 & Fig. 1, Items 130]**. Therefore, it would have been obvious to one of ordinary skill in the art, at the time the invention was made to modify the phone charger of Liebenow to include the wireless interface as a second data transfer interface as taught by Tomlinson Jr. in order to have both wired and wireless data communication.

**Regarding Claim 11.** The combination of Liebenow and Tomlinson Jr. further teaches further comprising an association database that stores an identity of one or

more mobile terminals associated with the device **[Tomlinson Jr.: paragraph 0022, lines 7-12 (controller is provided with a list of known RF communication addresses and inherently the associated identities of the mobile terminals)]**.

**Regarding Claim 12**. The combination of Liebenow and Tomlinson Jr. further teaches further comprising an association database that stores an identity of one or more digital devices associated with the device **[Liebenow: paragraph 0023 & Fig. 3, Item 310 (inherently, the identity of the personal computer will be known by the phone charger)]**.

**Regarding Claim 13**. Liebenow teaches everything as applied above in Claim 1. However, Liebenow fails to specifically teach further comprising a security and authentication routine executed by the processing unit that provides authentication for one or more mobile units. The examiner considers that the claimed limitation was well known in the art as taught by Tomlinson Jr. In an analogous art, Tomlinson Jr. discloses a power line communication radio frequency bridge further comprising a security and authentication routine executed by the processing unit that provides authentication for one or more mobile units **[Tomlinson Jr.: paragraph 0021, lines 15-27]**. Therefore, it would have been obvious to one of ordinary skill in the art, at the time the invention was made to modify the phone charger of Liebenow to incorporate the encryption bit as taught by Liebenow in order for the device to receive secure messages.

**Regarding Claim 15**. Liebenow teaches everything as applied above in Claim 1. However, Liebenow fails to specifically teach further comprising a file deletion routine executed by the processing unit that provides for idle files to be automatically deleted

from an associated mobile terminal based on period of idleness. The examiner considers that the claimed limitation was well known in the art as taught by Tomlinson Jr. In an analogous art, Tomlinson Jr. discloses a power line communication radio frequency bridge further comprising a file deletion routine executed by the processing unit that provides for idle files to be automatically deleted from an associated mobile terminal based on period of idleness **[paragraph 0022, lines 7-12 (if the controller cannot find an RF link address in memory, it will discard the message to be sent to the address)]**.

**Regarding Claim 18**. Liebenow teaches everything as applied above in Claim 17. However, Liebenow fails to specifically teach further comprising a second digital device in communication with the first datacharger through a second data transfer interface included in the first datacharger device. The examiner considers that the claimed limitation was well known in the art as taught by Tomlinson Jr. In an analogous art, Tomlinson Jr. discloses a power line communication radio frequency bridge further comprising a second digital device in communication with the first datacharger through a second data transfer interface included in the first datacharger device **[paragraph 0009 & Fig. 1, Item 130 (one or more RF units)]**. Therefore, it would have been obvious to one of ordinary skill in the art, at the time the invention was made to modify the phone charger of Liebenow to incorporate a wireless data transfer interface as taught by Tomlinson Jr. in order to have multiple interfaces available for wired and wireless data transmission.

**Regarding Claim 19**. The combination of Liebenow and Tomlinson Jr. further teaches wherein the first datacharger device includes a second data transfer interface further defined as a wireless second data transfer interface **[Tomlinson Jr.: paragraph 0010, lines 11-17]**.

**Regarding Claim 20**. The combination of Liebenow and Tomlinson Jr. further teaches wherein the first datacharger device further comprises a short-range communication transceiver **[Tomlinson Jr.: paragraph 0013, lines 1-17 (Bluetooth)]**.

**Regarding Claim 21**. The combination of Liebenow and Tomlinson Jr. further teaches wherein the short-range communication transceiver is chosen form the group consisting of an RF transceiver, an Infrared (1R) transceiver, a Wireless Local Area Network (WLAN) transceiver, and an Ultra Wide Band (UWB) transceiver **[Tomlinson Jr.: paragraph 0013, lines 1-17]**.

**Regarding Claim 24**. Liebenow teaches everything as applied above in Claim 17. However, Liebenow fails to specifically teach further comprising a security and authentication routine executed by the processing unit that provides authentication for one or more mobile units. The examiner considers that the claimed limitation was well known in the art as taught by Tomlinson Jr. In an analogous art, Tomlinson Jr. discloses a power line communication radio frequency bridge further comprising a security and authentication routine executed by the processing unit that provides authentication for one or more mobile units **[Tomlinson Jr.: paragraph 0021, lines 15-27].** Therefore, it would have been obvious to one of ordinary skill in the art, at the time the invention was

made to modify the phone charger of Liebenow to incorporate the encryption bit as taught by Liebenow in order for the device to receive secure messages.

**Regarding Claim 30**. Liebenow teaches everything as applied above in Claim 29 including the digital device. However, Liebenow fails to specifically teach further comprising the step of authorizing the mobile terminal for data communication prior to communicating data between the mobile terminal and the digital device. The examiner considers that the claimed limitation was well known in the art by Tomlinson Jr. In an analogous art, Tomlinson Jr. discloses a power line communication radio frequency bridge further comprising the step of authorizing the mobile terminal for data communication prior to communicating data between the mobile terminal and the digital device **[paragraph 0013 (communication protocol controls message routing, sequencing)]**. Therefore, it would have been obvious to one of ordinary skill in the art, at the time the invention was made to modify the device of Liebenow to incorporate the communication protocol as taught by Tomlinson Jr. for the purpose of managing communication with multiple devices.

**Regarding Claim 35**. The combination of Liebenow and Tomlinson Jr. further teaches wherein the step of synchronizing the data communicated from the mobile terminal further comprises selecting, from a stored list of sub-networks, sub-network association for the mobile terminal and the battery charging and data communication device **[Liebenow: paragraph 0023, lines 1-4 and 9-16 & paragraph 0022, lines 1-8 (data may be transferred in serial or parallel for a sub-network) & Tomlinson Jr.: paragraph 0022, lines 7-12]**.

**Regarding Claim:36**. The combination of Liebenow and Tomlinson Jr. further teaches wherein the step of communicating data between the mobile terminal and a digital device further comprises the step of communicating data and a mobile terminal-provided destination address to the battery charging and data communication device **[Tomlinson Jr.: paragraph 0022, lines 7-12 (phone charger will incorporate a list of all device addresses)]**.

**Regarding Claim 37**. The combination of Liebenow and Tomlinson Jr. further teaches further comprising the step of performing network address translation on the mobile terminal-provided destination address prior to communicating the data to the digital device **[Tomlinson Jr.: paragraph 0022, lines 7-12 (inherently, addresses translation must be performed prior to communicating data to any device)]**.

**Regarding claim 45, 46, and 47.** the above combinations disclose all their limitations.

8. Claim 40 is rejected under 35 U.S.C. 103(a) as being unpatentable over Liebenow (U.S. Pub. No. 2004/0162117 A1)in view of Ackley (U.S. Pub. No.2004/0259537 A1).

**Regarding Claim 40**. Liebenow teaches everything as applied above in Claim 29 including communication data between the mobile terminal and digital device. However, Liebenow fails to specifically teach wherein the step of communicating data between the mobile terminal and a digital device further comprises communicating, from the digital

device to the mobile terminal, updates to software applications implemented on the mobile terminal. The examiner considers that the claimed limitation was well known in the art as taught by Ackley. In an analogous art, Ackley discloses a cell phone multimedia controller wherein the step of communicating data between the mobile terminal and a digital device further comprises communicating, from the digital device to the mobile terminal, updates to software applications implemented on the mobile terminal **[paragraph 0026].** Therefore, it would have been obvious to one of ordinary skill in the art, at the time the invention was made to implement the method of controlling and interacting with multimedia devices using a mobile device in order to easily update programs used by the mobile device.

9. Claim 16 is rejected under 35 U.S.C. 103(a) as being unpatentable over Liebenow (U.S. Pub. No. 2004/0162117 A1) in view of Tomlinson Jr. (U.S. Pub. No. 2003/0100288 A1) and further in view of Pederson (U.S. Pub. No. 2004/0198403 A1).

**Regarding Claim 16**. The combination of Liebenow and Tomlinson Jr. teaches everything as applied above in Claim 2, including the memory. However, the combination fails to specifically teach further comprising a game application stored in the memory unit that can be uploaded by the mobile terminal. The examiner considers that the claimed limitation was well known in the art as taught by Pederson. In an analogous art, Pederson discloses gaming concepts for wireless terminals further comprising a game application stored in the memory unit that can be uploaded by the

mobile terminal **[paragraph 0008]**. Therefore, it would have been obvious to one of ordinary skill in the art, at the time the invention was made to include in the memory of the phone charger as taught by Liebenow and Tomlinson Jr. the game application as stored in the memory of the wireless device as taught by Pederson as a buffer or back-up file for the mobile devices.

10. Claims 31 and 32 are rejected under 35 U.S.C. 103(a) as being unpatentable over Liebenow (U.S. Pub. No. 2004/0162117 A1)in view of Tomlinson Jr. (U.S. Pub. No. 2003/0100288 A1) and further in view of Smeets (U.S. 2002/0132605 A1).

**Regarding Claim 31**. The combination of Liebenow and Tomlinson Jr. teaches everything as applied above in Claim 30. However, the combination fails to specifically teach wherein the step of authorizing the mobile terminal for data communication prior to providing data to the mobile terminal further comprises querying the mobile terminal for a pairing key to determine if the mobile device is authorized for data communication. The examiner considers that the claimed limitation was well known in the art as taught by Smeets. In an analogous art, Smeets discloses a method and system for authentication of units in a communication network wherein the step of authorizing the mobile terminal for data communication prior to providing data to the mobile terminal further comprises querying the mobile terminal for a pairing key to determine if the mobile device is authorized for data communication **[paragraph 0119 & paragraph 0126 (either device may query the other for the communication key)]**. Therefore, it

would have been obvious to one of ordinary skill in the art, at the time the invention was made to include the link key as taught by Smeets in the combination phone charger as taught by Liebenow and Tomlinson Jr. in order to have secure communication between devices.

**Regarding Claim 32**. The combination of Liebenow, Tomlinson Jr. and Smeets further teaches further comprising the step of communicating, wirelessly, the pairing key from the mobile terminal to the battery charging and data communication device to provide for data communication authorization **[Smeets: paragraph 0119 (Bluetooth link)].**

11. Claims 42-44 are rejected under 35 U.S.C. 103(a) as being unpatentable over Liebenow (U.S. Pub. No. 2004/0162117 A1) in view of well-known prior art (MPEP 2144.03).

**Regarding claim 42, 43, and 44**. Liebenow discloses the limitations of claim 1, 17, and 29 upon which claims 42, 43, and 44 are depending on, respectively. Liebenow does not disclose authentication comprises receiving, at the first data transfer interface, the pairing key from the mobile terminal. However, official notice is taken that the concept and use of authentication process between two communicating devices, is well known and expected in the art. Therefore, it would be obvious to one of ordinary skill in the art to provide a method of authentication comprising of receiving pairing key from a mobile terminal.

***Conclusion***

12. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

13. A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

14. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sayed T. Zewari whose telephone number is 571-272-6851. The examiner can normally be reached on 8:30-4:30.

15. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lester G. Kincaid can be reached on 571-272-7922. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

16. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Sayed T. Zewari

July 7, 2007

LESTER G. KINCAID
SUPERVISORY PRIMARY EXAMINER